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## Abstract

A positioning system for racing cars is disclosed, which comprises a vehicle information device mounted in a racing car, with a positioning device for gathering and output of positional data, by means of which the position of the racing car can be fixed and a transmitter for sending the positional data to a control centre. A number of such vehicle information devices, operated in cooperation with a computational device, allow a useful execution of a positioning system, whereby said computational unit calculates the position of each car on the circuit from the transmitted positional data and stored race track data. The position of each of the race cars can be fixed using the virtual map of the race track course, in the form of the race track data and the transmitted positional data, without the need to establish positioning devices at essentially all the points around the race track. A vehicle coming to rest or leaving the race track can also be determined and precisely located without additional requirements.